

**Form PTO-1449** (modified)

Office of Patents and Publications for Applicant's

**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Atty. Docket No.

METR:003

Serial No.

10/668,642

Applicant

Dale A. Harrison

Filing Date:

September 23, 2003

Group:

Unknown

U.S. Patent Documents

See Page 1-2

Foreign Patent Documents

See Page

Other Art

See Page 2-3

**U.S. Patent Documents**

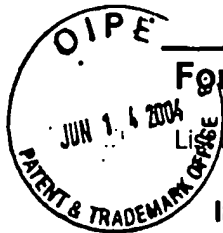
Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
CH	A1	3,091,154	5/28/63	Hall			
CH	A2	4,899,055	2/6/90	Adams			
CH	A3	5,608,526	3/4/97	Piwonka-Corle et al.			
CH	A4	5,747,813	5/5/98	Norton et al.			
CH	A5	5,798,837	8/25/98	Aspnes et al.			
CH	A6	5,880,831	3/9/99	Buermann et al.			
CH	A7	5,900,939	5/4/99	Aspnes et al.			
CH	A8	5,991,022	4/27/99	Buermann et al.			
CH	A9	6,128,085	10/3/00	Buermann et al.			
CH	A10	6,181,427 B1	1/30/01	Yarussi, et al.			
CH	A11	6,278,519 B1	8/21/01	Rosencwaig et al.			
CH	A12	6,297,880 B1	10/2/01	Rosencwaig et al.			
CH	A13	6,304,326 B1	10/16/01	Aspnes et al.			
CH	A14	6,411,385 B2	6/25/02	Aspnes et al.			
CH	A15	6,414,302 B1	7/2/02	Freeouf			
CH	A16	6,417,921 B2	7/9/02	Rosencwaig et al.			
CH	A17	5,917,594	6/29/99	Norton			
CH	A18	Re. 34,783 E	11/8/94	Coates			
CH	A19	US2002/0149774	10/17/02	McAninch			
CH	A20	US2002/0154302	10/24/02	Rosencwaig <i>et al.</i>			
CH	A21	6,261,853 B1	7/17/01	Howell et al.			
CH	A22	5,182,618	1/26/93	Heinonen			
CH	A23	3,572,951	3/30/71	Rothwarf et al.			
CH	A24	US2003/0071996	4/17/03	Wang et al.			

Examiner: **CONSTANTINE HANNAHER** Date Considered: **SEP 9 2005**

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement — PTO-1449 (Modified)

Best Available Copy

**Form PTO-1449** (modified)

List of Patents and Publications for Applicant's

**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Atty. Docket No.

METR:003

Serial No.

10/668,642

Applicant

Dale A. Harrison

Filing Date:

September 23, 2003

Group:

Unknown

U.S. Patent Documents

See Page 1-2

Foreign Patent Documents

See Page

Other Art

See Page 2-3

**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A25	Unknown		"Vacuum Ultraviolet Optical System for Operation in Ambient Atmosphere"  Inventors: Michael J. Mandella & Dale A. Harrison  Filed: 9/10/99  (Prior filed US Patent Application - current status unknown )			9/10/99

**Foreign Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						

**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
	C1	McPherson Product Brochure "Reflectometer for Sample Analysis," 3 pgs.
	C2	McPherson Product Brochure "VUVaS Spectrophotometers for 115 nm to >380 nm," 4 pgs.
	C3	McPherson Product Brochure "VUVaS Spectrophotometers, Made to Measure 115-380 nm," 8 pgs.
	C4	Acton Research Product Brochure "Acton Research Purged DAMS Optical Measurement System," 2 pgs.
	C5	"The Thin Film tool for next generation lithography at 157nm," Web page from <a href="http://www.sopra-sa.com">http://www.sopra-sa.com</a> , 1pg.
	C6	"SE and GXR combined on the same instrument," Web page from <a href="http://www.sopra-sa.com">http://www.sopra-sa.com</a> , 1pg.

Examiner: **CONSTANTINE HANNAHER** Date Considered: **SEP 9 2005**

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449 (modified)

Office of Patents and Publications for Applicant's

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.

METR:003

Serial No.

10/668,642

Applicant

Dale A. Harrison

Filing Date:

September 23, 2003

Group:

Unknown

U.S. Patent Documents

See Page 1-2

Foreign Patent Documents

See Page

Other Art

See Page 2-3

## Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C7	"The ideal Thin Film characterization unit for Development and Pilot Line environment," Web page from <a href="http://www.sopra-sa.com">http://www.sopra-sa.com</a> , 1 pg.
	C8	"VUV-VASE™, The Award Winning VUV-VASE™ is the latest addition to our line of Spectroscopic Ellipsometers," Web pages from <a href="http://www.jawoolam.com">http://www.jawoolam.com</a> , 2 pgs.
	C9	"Vacuum UV Spectroscopic Ellipsometers," Web pages from <a href="http://www.sentech.de">http://www.sentech.de</a> , 3 pgs.

Examiner: **CONSTANTINE HANNAHER**

Date Considered:

SEP 9 2005

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**Form PTO-1449** (modified)Atty. Docket No.  
METR:003Serial No.  
10/668,642

List of Patents and Publications for Applicant's

Applicant  
Dale A. Harrison**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:  
September 23, 2003Group:  
UnknownU.S. Patent Documents  
See Page 1Foreign Patent Documents  
N/AOther Art  
N/A**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
LH	A26	US 2004/0150820	8/5/04	Nikoonahad et al.			

**Foreign Patent Documents**

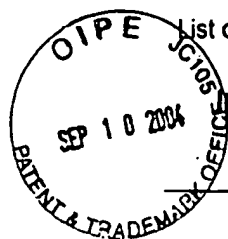
Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation

Examiner: **CONSTANTINE HANNAHER** Date Considered: **SEP 9 2005**

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



**Form PTO-1449** (modified) *SEP 9 2005*Atty. Docket No.  
METR:003Serial No.  
10/668,642

List of Patents and Publications for Applicant's

Applicant  
Dale A. Harrison**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:  
September 23, 2003Group:  
2877U.S. Patent Documents  
See Page 1Foreign Patent Documents  
N/AOther Art  
See Page 1**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
CH	A27	5,781,304	7/14/98	Kotidis et al.			2/14/97
CH	A28	2001/0055118A1	12/27/01	Nawracala			12/4/00
CH	A29	5,042,949	8/27/91	Greenberg et al.			3/17/89
CH	A30	3,825,347	7/23/74	Kaiser			8/9/71

**Foreign Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
CH	C10	Search Report; PCT/US04/30859; 13 pgs. <i>not a publication</i>

Examiner:

**CONSTANTINE HANNAHER**

Date Considered:

**SEP 9 2005**

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☒ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**